Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Sunday 10 Mar 2024 until 23:59 on Monday 11 Mar 2024

Forecast Issued on Saturday 09 Mar 2024 at 10:58

Confidence: High for unsettled conditions bringing rain at times but moderate for detail.

Headline for Sunday 10 Mar 2024: Rather cloudy with rain at times. Gusty easterly winds.

Mountain weather hazards on Sunday 10 Mar 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light rain	Heavy Rain	Cloudy	Light rain	Light rain	Cloudy	Cloudy
Precipitation probability							
30%	50%	60%	30%	40%	40%	30%	30%

Forecast for Sunday 10 Mar 2024

Weather: Cloudy during the early hours with a little rain at first, before heavy outbreaks of rain start to push up from the south towards morning. Drier by around mid-morning but remaining cloudy with outbreaks of light rain at times through the rest of the day. Mainly dry into the evening.

Chance of cloud-free hill tops above 800m: 30-40%

Low cloud and visibility: Scattered or broken cloud base 500-700m. Visibility reduced in heavier rain but otherwise good out with cloud.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Sunday 10 Mar 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	38/48 E	37/47 E	36/46 NE	30/38 E	31/41 E	32/42 E	28/38 E	27/36 E	21/29 E
600	24/32 E	19/28 NE	23/34 E	19/28 E	22/32 E	22/31 E	20/30 E	20/30 E	15/22 E
300	15/34 E	9/27 NE	10/29 E	9/26 E	12/31 E	11/29 E	12/28 E	13/28 E	8/18 E
Valley	15/34 NE	13/29 NE	14/32 NE	12/28 E	14/30 E	14/30 E	15/31 NE	15/29 NE	11/18 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-0/-9	0/-8	0/-8	1/-6	2/-6	1/-7	-0/-8	-1/-8	-1/-8
600	1/-5	2/-4	2/-4	3/-2	4/-2	3/-3	2/-4	1/-5	1/-5
300	4/-1	4/1	4/1	5/2	6/3	6/2	4/0	4/-1	3/0
Valley	6/2	6/3	7/3	8/5	9/6	8/5	7/3	6/2	6/2
Freezing Level*	1200m	1300m	1300m	1300m	1300m	1300m	1200m	1000m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling cold, especially at height, be prepared with appropriate layers.

Forecast for Monday 11 Mar 2024

Weather: A cloudy start to the day but this tending to break up, allowing bright or sunny spells. Dry for the most part but perhaps the odd spot of light rain or drizzle in the east at times.

Maximum wind: Easterly 10-15 mph gusting 25 mph at first, soon becoming light

Chance of cloud-free hill tops above 800m: 30-40% at first, soon improving 70-80%

Low cloud and visibility: Scattered cloud base 600-800m at first, becoming few during the first part of the morning. Visibility mainly good.

Temperature: **Valleys:** Plus 3 rising to plus 7 Celsius
At 800m: Zero to plus 2 Celsius
Freezing level: 800-1000m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 9 March Location: Helvellyn summit at 12:51 Temperature: minus 0.4 C Maximum wind speed 34.6mph Wind chill: minus 10.1 C Average wind speed: 30.1mph

Full report: Another day of cold north-westerly winds which were near-gale force over the higher fells. Some precipitation during the morning fell as snow and was heavy for a time. Cloud shrouded the hills around Helvellyn for much of the day giving some challenging conditions in poor visibility. The snow level starts at roughly 650m, and depth generally increases with height from a couple of inches up to boot deep (and deeper where snow has drifted). There is a marked difference between shaded north-facing slopes which often still have continuous snow cover, to the more sunny south-facing slopes which have more fragmented snow patches. The condition of the snow is variable, however, it is becoming more consolidated and was weight-bearing in many places today, particularly on the summit plateau. Cornices are present around north and east-facing corrie rims, however, due to a predominantly north-easterly wind direction over the last few days, they are relatively small. Swirral and Striding edge are a mixture of exposed rock, snow, and ice and require good care and judgment. Microspikes/crampons and an ice axe are strongly recommended. The windchill (feels-like) temperature on the top today was around -10ºC and anyone who stood still, even for short periods would get very cold very quickly. Full winter clothing (warm and waterproof) including spare warm layers, hats and gloves, and equipment including a map, compass, and headtorch are all essential. Microspikes and walking poles are also very useful in the current conditions.

Issued at: 1725 on Sat 09 Mar 2024

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